

Cryo Human Hcpctyes, Plateable, Gc, Ind																											
HUCPI	Lot #	Gender	Race	Age (yrs)	Age (Months)	BMI	Alcohol Use	Tobacco Use	Drug Use	Diabetes	HLA A Set 2	Number of Donors	Thaw Viability	Thaw Yield	Verified Spheroid Formation	Verified for long-term culture	Verified for 96-well plating	Induction Fold mRNA CYP1A2	Induction Fold mRNA CYP2B6	Induction Fold mRNA CYP3A4	Induction Fold mRNA CYP2C8	Induction Fold CYP1A2	Induction Fold CYP2B6	Induction Fold CYP3A4	Basal Activity CYP1A2	Basal Activity CYP2B6	Basal Activity CYP3A4
	HUM180871	Female	Caucasian	37		35.3	Heavy	No	No	No	3	1	90	6.1								23.2	16.3	42	1	0.6	17.3
	HUM180931	Male	Caucasian	25	2	29.6	None	No	Yes	No	1	1	91.2	10.1								79	13.1	49.8	2.5	7.9	11.7
	HUM181141	Male	Caucasian	25		18.9	None	No	No	No	68	1	94.7	13.4								14	13	44	2.6	0.7	14
	HUM181371	Female	Caucasian	46		26.7	Social	No	No	No	1	1	91	6.3								36	15	8	2	1	27.3
	HUM181441	Male	African American	53		32.9	Social	No	No	No	68	1	92.9	5.8								31	15	15	7.7	4.3	64.6
	HUM181501B	Female	Caucasian	28		30.6	Social	Yes	Yes	No	3	1	97.8	5.8								119	12	18	0.9	1.7	21.6
	HUM181551 A	Male	Caucasian	33		29.5	None	No	Yes	No	26	1	88.7	7		Yes	Yes					30	7	34	1	0.9	5.9
	HUM181561 A	Male	Caucasian	31		35.3	Heavy	Yes	Yes	No	2	1	81.7	6.8		Yes	Yes					28	6	19	1.2	0.7	7.6
	HUM181621B	Female	Caucasian	23		31.3	Social	No	Yes	No	24	1	94.8	5		Yes	Yes					23	9	30	1.3	3.2	20.2
	HUM181641	Male	Caucasian	56		27	Social	No	Yes	No	1	1	88.6	7.7		No	Yes					21	7	11	1.4	0.6	14
	HUM181651	Female	Caucasian	34		18.7	Social	No	Yes	No	1	1	88.9	8.1		Yes	No					29	13	35	1.4	0.6	4.8
	HUM181761	Female	Caucasian	56		33	Not Reported	No	Unknown	Yes	1	1	90.7	7.7		Yes	Yes					23	9	14	0.8	1	20.2
	HUM181961	Male	Hispanic	52		27	Social	No	No	No	32	1	95.1	5		Yes	Yes					46	17	25	2.4	0.7	17.9
	HUM181971	Female	Caucasian	15		16.7	None	No	No	No	24	1	87.4	5.2		Yes	Yes					31	30	75	6.7	2	13.4
	HUM182041	Female	American	19		16.8	None	No	No	No	1	1	83	5.5		Yes	Yes					34	7	8	1.7	0.4	27.3
	HUM182351	Male	Caucasian	28		27.6	Social	No	Yes	No	3	1	93	6.1		Yes	Yes	345.5	10.3	106.4	5.3	70	22	96	1.6	1.6	1.3
	HUM182391	Male	Caucasian	46		32.5	Social	Yes	No	No	29	1	86	10.1		Yes	Yes					62	17	18	1.3	0.8	4.1
	HUM182412	Male	Caucasian	6		16	None	No	No	No	1	1	93.1	7	Yes	Yes	Yes					82	13	6	2.5	3.5	179.6
	HUM182531	Female	Caucasian	51		25.7	Social	No	No	No	2	1	80	7.8		Yes	Yes					62	13	122	2.5	3.2	7.9
	HUM182641	Male	Caucasian	4		16	None	No	No	No	1	1	98	8.9		Yes	Yes					47	14	20	5.5	2	22.5
	HUM182701	Female	Caucasian	31		22.1	None	No	Yes	No	1	1	81	9.6		Yes	Yes	154.1	11.6	362.5	3.3	45	17	51	2.8	2.3	7.2
	HUM182851	Male	Caucasian	54		32.2	Social	Yes	No	No	24	1	91	7.8		Yes	Yes	45.1	17.2	86.5	4.9	49	11	42	2.3	1.3	9.9
	HUM183121	Male	African American	49		30.7	None	No	Yes	No	30	1	89	11	Yes	Yes	Yes	82.9	4.1	18.7	3.2	67	13	23	1.5	0.7	8.4
	HUM183231	Female	Caucasian	50		28.8	Social	No	No	No	1	1	84	8.5	Yes	No	Yes					37	14	9	1.7	2.1	34
	HUM190131	Female	Caucasian	38		31.2	Not Reported	Yes	Yes	No	1	1	95	9.3	Yes	Yes	Yes	187.9	5.5	59.5	4.4	130	16	20	1.2	1.3	33.7
	HUM190171	Female	Caucasian	48		22.4	Heavy	Yes	No	Yes	11	1	81.2	9.9	Yes	Yes	Yes	53.2	22	234.6	9.4	38	26	32	2.7	0.7	22.1
	HUM190571	Male	Caucasian	40		16.4	None	No	No	No	1	1	95	8	Yes	No	Yes					45	12	43	0.9	0.5	3
	HUM4152	Male	Caucasian	18		24.3	No	No	Yes	No	1	1	82	6.9				261	21.4	61.5		29.3	30.2	23.3			
	HUM4190	Male	Caucasian	26		22	No	Yes	No	No	1	1	81	7.2								23	11	6			
	HUM4191	Male	Caucasian	27		30.5	Yes	Yes	No	No	1	1	91	5.8				496	15.9	77.6		16.1	11.4	53.6			
	HUM4192	Female	Asian	16		15.6	No	No	No	No	1	1	89	11				77	31	27.9		56.1	32.2	67.4	21.5	19.6	67
	HUM4225	Female	African American	24		21.9	No	No	No	No	2	1	90.6	8.2								34.5	63.7	40.1	1.6	0.7	16
	HUM4227	Female	Caucasian	10		16.5	No	No	No	No	1	1	85.23	6.58								38.4	14.1	28.4	2.2	2.3	19.5
	HUM4229	Female	Caucasian	61		31.8	No	No	No	No	24	1	88.3	7.9								24.6	14.7	10.5	1.3	1.7	16.7
	HUM4256	Female	Caucasian	56		21.7	No	No	No	No	1	1	90.51	7.08								51.6	22.8	32.8	1.5	0.4	12.3
	HUM4275B	Male	Caucasian	29		17	Heavy	Yes	Yes	No	31	1	92.8	10.67								52.2	5.4	19.9	1.1	0.6	6.3

CRYO HUMAN HEPATOCYTE S, PHH, IQLY																											
HUCPI-Y	Lot #	Gender	Race	Alcohol Use	Alcohol Use	Tobacco Use	Drug Use	Diabetes	HLA A Set 2	Age (yrs)	Age (Months)	BMI	Number of Donors	Thaw Viability	Thaw Yield	Induction Fold mRNA CYP1A2	Induction Fold mRNA CYP2B6	Induction Fold mRNA CYP3A4	Induction Fold mRNA CYP2C8	Induction Fold CYP1A2	Induction Fold CYP2B6	Induction Fold CYP3A4	Basal Activity CYP1A2	Basal Activity CYP2B6	Basal Activity CYP3A4		
	HUM180812 A	Male	Hispanic	Social		No	No	No		57		21.1	1	90.5	2.7						78.9	13.5	55.2	1.4	0.6	4.9	
	HUM180812B	Male	Hispanic	Social		No	No	No		57		21.1	1	86.5	4.7						57	5	31	1.7	0.7	6.1	
	HUM181501 A	Female	Caucasian	Social		Yes	Yes	No	3	28		30.6	1	96.6	4.7						53	13	83	1.7	2.7	8.3	
	HUM181511B	Female	Asian	Social		No	No	No	2	47		21.9	1	88.8	3.8						159	15	19	0.6	1.7	20.2	
	HUM181621 A	Female	Caucasian	Social		No	Yes	No	24	23		31.3	1	94.4	3.7						16	11	24	0.8	1.1	13.1	
	HUM4074A	Female	Asian	No		No	No	No	24	20		19.1	1	94.5	3						64.7	34.6	9.2				
	HUM4074D	Female	Asian	No		No	No	No	24	20		19.1	1	95	3.1						23	11.5	7.9				
	HUM4095B	Female	Caucasian	Yes		No	No	3	34	25.3		25.3	1	95	2.5	80.7	8.8	106.8				19.8	43.4	17.5			
	HUM4178	Male	Caucasian	No		No	No	No		2		21	1	86.7	4.4						91	49.4	77.6	0.8	0.8	5.1	

CRYO HUMAN HEPATOCYTE S, Plateable, GenPur														Post Thaw Plateability 5 Days	
HUCPG	Lot #	Gender	Race	Age (yrs)	Age (Months)	BMI	Alcohol Use	Tobacco Use	Drug Use	Diabetes	HLA A Set 2	Number of Donors	Thaw Viability	Thaw Yield	Post Thaw Plateability 5 Days
	HUM17299A	Male	Caucasian	40	0	26.8	No	Yes	Yes	No	24	1	84.6	9.2	Plateable
	HUM173531	Female	Caucasian	37	0	32.7	No	No	No	Yes	2	1	80	6.1	Plateable
	HUM180201 A	Male	Caucasian	20		30.6	No	No	Yes	No		1	84.3	7.6	Plateable
	HUM180201B	Male	Caucasian	20		30.6	No	No	Yes	No		1	81.1	6.5	Plateable
	HUM180812C	Male	Hispanic	57		21.1	Social	No	No	No		1	80.7	5.3	Plateable
	HUM180851	Male	Caucasian	47		29.4	Social	Yes	No	No	3	1	82.6	10.1	Plateable
	HUM181301 A	Male	Caucasian	40		31.6	Heavy	No	No	No		1	80	6	Plateable

HUM181301B	Male	Caucasian	40	31.6	Heavy	No	No	No	1	81	7	Plateable	
HUM183221	Female	Caucasian	33	27.3	Social	Yes	Yes	No	29	1	85	8	Plateable
HUM183351	Female	Asian	56	28.1	None	No	No	No	68	1	95	12.1	Plateable
HUM4245	Male	Caucasian	28	37.6	No	No	Yes	No	1	86.6	8.6	Plateable	
HUM4252	Male	Caucasian	13	16.4	No	No	No	No	1	84	15	Plateable	

Cryo human Hcpts, QTS Trans.Certified												
Lot #	Gender	Race	Age (yrs)	Age (Months)	BMI	Alcohol Use	Tobacco Use	Drug Use	Diabetes	Number of Donors	Thaw Viability	Thaw Yield
HUM4180A	Male	Caucasian	7		14.6	No	No	No		1	90.6	7.1

Cryo Human Hcpts, Suspn Q:																	
Lot #	Gender	Race	Age (yrs)	Age (Months)	BMI	Alcohol Use	Tobacco Use	Drug Use	Diabetes	Number of Donors	Thaw Viability	Thaw Yield	7EC ECDD	7HC Appearance	7HC Appearance	7HCG Appearance	
HUM17310A	Male	Caucasian	56		27.5	Social	Yes	No	No				37.4	33.5	716.4		
HUM17311A	Male	Caucasian	5		21.3	None	No	No	No	1		94.4	7.3	14	41.9	601.6	
HUM180581A	Male	Caucasian	52		28	Social	No	Yes	No	1		83.4	6	76.4	11.9	375.6	
HUM180581B	Male	Caucasian	52		28	Social	No	Yes	No	1		83.4	6		81.6	14.2	388.7
HUM181001A	Female	Caucasian	12		19.4	None	No	No	No	1		97.1	7	10.4	8.9	197.6	
HUM181001B	Female	Caucasian	12		19.4	None	No	No	No	1		96	7.9	13.3	11.4	273.6	
HUM181001C	Female	Caucasian	12		19.4	None	No	No	No	1		95	4.5	11.9	10	221.3	
HUM181001D	Female	Caucasian	12		19.4	None	No	No	No	1		94.2	5.6	12.8	11.8	266.2	
HUM181361	Female	Caucasian	25		31.2	Social	No	No	No	1		80.5	8.9	39.6	12.5	467.8	
HUM181551B	Male	Caucasian	33		29.5	None	No	Yes	No	1		89.2	6.1	9.5	3.8	523.3	
HUM4064B	Female	Caucasian	48		35.5	No	No	No	Yes	1		85	6	1202	9.8	2.4	215
HUM4069C	Male	Caucasian	30		25	No	Yes	No	No	1		85	5.1	2560	9.7	3.7	264.5
HUM4070C	Female	Caucasian	22		23.4	No	No	No	No	1		81	6.7		8.8	3	450
HUM4131A	Female	Caucasian	48		23.5	No	No	No	No	1		94	5.4	3.7	10.3	277.7	
HUM4212	Female	Caucasian	42		21	No	No	Yes	No	1		85	11.15	5.1	2.3	244.7	
HUM4220	Male	Caucasian	12		18.3	No	No	No	No	1		93	7.95		14.6	1025	
HUM4281	Male	Caucasian	13		21	No	No	No	No	1		88	5.8	21.3	5.6	515	

Cryo Pooled Human Hcpts, 10DP																																
Lot #	Gender of Pooled Donors	Number of Donors	Donor Age Range	Donor Age Average	Average BMI	% Male Donors	% Female Donors	% Caucasian Donors	% Asian Donors	% African American Donors	% Other Donors	% No Drugs/Alcohol/Tobacco	% Illicit Drug use	% Tobacco use	% Heavy Alcohol Use	Thaw Viability	Thaw Yield	Suspension Metabolism CYP1A2	Suspension Metabolism CYP2A6	Suspension Metabolism CYP2B6	Suspension Metabolism CYP2C8	Suspension Metabolism CYP2C9	Suspension Metabolism CYP2C19	Suspension Metabolism CYP2D6	Suspension Metabolism CYP2E1	Suspension Metabolism CYP3A4T	Suspension Metabolism CYP3A4M	Active MPP+ Uptake	Active Taurocholate Uptake	Active Estrone-3-Sulfate Uptake	Active PAH uptake	
HUP181651	Mixed Gender	17	0 ... 68	39	24.5	65	35	71	0	18	11	53	29	24	18	84.5	8.9	156.2	20.3	178.2			100.1	4.5	13.1	9.7	520.6	173.8	7.8	3.7	3	1.8
HUP183331	Mixed Gender	10	1 ... 60	37	25	50	50	90	10	0	0	50	40	40	30	88	6.3	74.8	23.5	73.7			157.5	6.7	12.9	11.1	216.7	62	6.8	1.9	2.6	1.2
HUP190171	Mixed Gender	10		40.4	28.4	50	50	100	0	0	0	50	50	40	20	89	7.4	110	10.5	99.5			160.2	17.8	18.6	13.6	693.3	75.5	12.6	4.3	3.1	1.4
HUP190441	Mixed Gender	10		48.3	27.2	50	50	80	0	20	0	40	10	60	10	81	9.2	39.5	17.4	21.5	32		49.7	3	5.8	7	127.7	45.8	8.6	3.7	2.6	1.7

Cryo human Hcpts, Suspn Q; 20-DP																																
Lot #	Gender of Pooled Donors	Number of Donors	Donor Age Range	Donor Age Average	Average BMI	% Male Donors	% Female Donors	% Caucasian Donors	% Asian Donors	% African American Donors	% Other Donors	% No Drugs/Alcohol/Tobacco	% Illicit Drug use	% Tobacco use	% Heavy Alcohol Use	Thaw Viability	Thaw Yield	Suspension Metabolism CYP1A2	Suspension Metabolism CYP2A6	Suspension Metabolism CYP2B6	Suspension Metabolism CYP2C8	Suspension Metabolism CYP2C9	Suspension Metabolism CYP2C19	Suspension Metabolism CYP2D6	Suspension Metabolism CYP2E1	Suspension Metabolism CYP3A4T	Suspension Metabolism CYP3A4M	Active MPP+ Uptake	Active Taurocholate Uptake	Active Estrone-3-Sulfate Uptake	Active PAH uptake	
HUP182501	Mixed Gender	20		39.2	28.1			80	5	10	5	30	45	25	88	7.61	116.7	24.3	53.8			86.5	7.3	15.4	6.5	281.2	81.7	9	2.6	2.6	1.7	
HUP182831	Mixed Gender	20		45.1	28.7	50	50	90	0	10	0	50	30	40	20	87	9.9	138.5	16.3	131.2			101.5	7.3	18.3	10.3	320.5	123.3	4.5	3.4	2.5	1.4
HUP183521	Mixed Gender	20	13 ... 63	38	27	50	50	90	0	10	0	70	25	25	20	81	6.1	59.8	16.9	67.7			72.7	9.3	14.6	7.6	245.3	67	12.1	2.9	3.2	1.4

Cryo human Hcpts, Suspn Q; 50-DP																																
Lot #	Gender of Pooled Donors	Number of Donors	Donor Age Range	Donor Age Average	Average BMI	% Male Donors	% Female Donors	% Caucasian Donors	% Asian Donors	% African American Donors	% Other Donors	% No Drugs/Alcohol/Tobacco	% Illicit Drug use	% Tobacco use	% Heavy Alcohol Use	Thaw Viability	Thaw Yield	Suspension Metabolism CYP1A2	Suspension Metabolism CYP2A6	Suspension Metabolism CYP2B6	Suspension Metabolism CYP2C8	Suspension Metabolism CYP2C9	Suspension Metabolism CYP2C19	Suspension Metabolism CYP2D6	Suspension Metabolism CYP2E1	Suspension Metabolism CYP3A4T	Suspension Metabolism CYP3A4M	Active MPP+ Uptake	Active Taurocholate Uptake	Active Estrone-3-Sulfate Uptake	Active PAH uptake	
HUP190031	Mixed Gender	50	1 ... 68	36	27	58	42	84	2	10	4	50	30	36	10	90	7.1	97.5	13.6	76.7			108.7	5.9	15.5	6.2	240.7	77.8	12.6	3.8	1.6	1.2

Cryo human Hcpts, Female, Suspn Q; 10-DP																																
Lot #	Gender of Pooled Donors	Number of Donors	Donor Age Range	Donor Age Average	Average BMI	% Male Donors	% Female Donors	% Caucasian Donors	% Asian Donors	% African American Donors	% Other Donors	% No Drugs/Alcohol/Tobacco	% Illicit Drug use	% Tobacco use	% Heavy Alcohol Use	Thaw Viability	Thaw Yield	Suspension Metabolism CYP1A2	Suspension Metabolism CYP2A6	Suspension Metabolism CYP2B6	Suspension Metabolism CYP2C8	Suspension Metabolism CYP2C9	Suspension Metabolism CYP2C19	Suspension Metabolism CYP2D6	Suspension Metabolism CYP2E1	Suspension Metabolism CYP3A4T	Suspension Metabolism CYP3A4M	Active MPP+ Uptake	Active Taurocholate Uptake	Active Estrone-3-Sulfate Uptake	Active PAH uptake	
HUP183401	All Female	10	1 ... 63	40	31	0	100	80	0	20	0	70	10	30	0	87	6.5	73	10.9	115.5			113	8.6	17.4	7	310.3	115.7	5.6	2.4	1.7	1.4

